



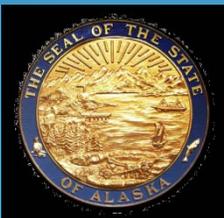
State of Alaska
Governor's Climate Change Sub-Cabinet
Stakeholder Process

Transportation and Land Use Technical Working Group

Alaska Forum on the Environment

February 2 – 6, 2009

Curt Stoner, Totem Ocean Trailer Express, Inc.





Focus: Reduce greenhouse gas emissions from Alaska's transportation sector.

- 1. Public Transit and Ridesharing**
- 2. Heavy-duty Vehicle Idling Reduction**
- 3. Transportation System Management**
- 4. Efficient Development Patterns**
- 5. Alternative Fuel Vehicles**
- 6. VMT and GHG Reduction Goals in Planning**
- 7. Truck Fuel Efficiency Improvements**
- 8. Marine Vessel Efficiency Improvements**
- 9. Aviation Emission Reductions**



Option 1. Public Transit and Ridesharing

- Expand transit service and make existing service more attractive.
- Double transit ridership and ridesharing by 2025.

Option 2. Heavy-duty Vehicle Idling Reduction

- Adopt state and local anti-idling regulations.
- Promote and expanding the use of technologies that reduce truck and bus idling.



Option 3. Transportation System Mgmt.

- Improve traffic flow and reduce emissions through strategies such as signal timing, incident management, use of roundabouts, and lower speed limits.

Option 4. Efficient Development Patterns

- Encourage new residential and commercial development to occur within the denser parts of urban areas through re-development, infill, and mixed uses that take advantage of the existing infrastructure, public services, and facilities.



Options 5. Alternative Fuel Vehicles

- Use incentives to promote alternative fuel vehicles (including natural gas and hybrid electric vehicles) among public sector agencies, private sector firms, and consumers.

Option 6. VMT and GHG Reduction Goals in Planning

- Evaluate the GHG emissions from state and regional transportation system plans.
- Reduce the number and/or length of vehicle trips made in Alaska through planning.



Option 7. Truck Fuel Efficiency Improvements

- Improve truck fuel efficiency through participation in Federal EPA Smart Way Program.
- Provide incentives to phase out older trucks.
- Encourage government agencies to improve efficiency of public transit, school bus and maintenance vehicles.

Option 8. Marine Vessel Efficiency Improvements

- Provide financial incentives to accelerate replacement of marine vessel engines.



Option 9. Aviation Emission Reductions

- Support the redesign and improvement of the existing air traffic management system.
- Encourage adoption of operational best practices for maximizing fuel efficiency in the aviation sector.
- Encourage use of alternative fuels for aviation that are both economically viable and reduce GHG emissions.



Research Needs (examples)

- Life-cycle GHG benefits of alternative fuels in Alaska context
- Potential benefits of coordinating transportation networks with fishery openings
- Methods to accurately quantify transportation plan GHG impacts in Alaska
- GHG benefits of marine engine replacement
- *If you have additional ideas on priority research needs for this area, attend the:
Climate Change Research Coordination Workshop
Thursday, February 5, 9:15-4:45 pm [Dena'ina Center]*

Thank you!

Your Input is Welcome!

You may follow the progress of this TWG and the Advisory Group, or provide comments by visiting :

<http://climatechange.alaska.gov/>

Your input may also be submitted on
Comment Sheets available here at the AFE